

1R - 425-71

REPORTS

DATE:

10-15-09

1R425-71

**Vacuum Marathon McAlister EOL
2009**

RECEIVED

APR - 6 2010

Environmental Bureau
Oil Conservation Division

CLOSURE

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

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APR - 6 2010
Environmental Bureau
Oil Conservation

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS FEET		
Vacuum	Marathon McAlister EOL	M	25	17S	34E	Lea	Length	Width	Depth
							eliminated		

LAND TYPE: BLM _____ STATE X FEE LANDOWNER _____ OTHER _____

Depth to Groundwater 95 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 9/8/2005 Date Completed 2/9/2009 OCD Witness no

Soil Excavated 8.3 cubic yards Excavation Length 5 Width 3 Depth 15 feet

Soil Disposed 0 cubic yards Offsite Facility n/a Location n/a

FINAL ANALYTICAL RESULTS: Sample Date 2/9/2009 Sample Depth 20 ft, 30 ft

TPH and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

CHLORIDE FIELD TESTS

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
SOIL BORING #1 @ 20'	0.0	<10.0	<10.0	352
SOIL BORING #1 @ 30'	0.0	<10.0	31.5	272

General Description of Remedial Action: This junction was addressed during the Vacuum SWD System abandonment. The former junction box was investigated using a backhoe to collect soil samples at regular intervals. The overall junction box excavation had dimensions of 5x3x15-ft deep. The site could not be excavated any larger due to the location being near a battery and a lease road. Chloride field tests were performed on each sample which yielded elevated concentrations. Organic vapors were measured using a PID which yielded low concentrations. The excavated soil was returned to the excavation and clean, imported soil was used fill the excavation to ground surface and to contour the site to the surrounding area. On 5/29/2008, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate. To further investigate depth of chloride presence, a soil boring was initiated on 2/9/2009 at the former junction box site. The boring was advanced to 30 ft BGS while soil samples were collected every 5 ft and field tested for chloride and organic vapors. The field tests yielded low concentrations of both. The 20 and 30 ft samples were analyzed by a commercial laboratory for chloride and TPH which confirmed low concentrations. The entire bore hole was plugged with bentonite to the ground surface.

LOCATION	DEPTH	mg/kg
vertical delineation trench at the junction (source)	3'	269
	4'	369
	5'	381
	6'	680
	7'	982
	8'	855
	9'	765
	10'	799
	11'	598
	12'	766
	13'	1455
	13'	1654
SOIL BORING at the junction (2/9/2009)	14'	1783
	15'	660
	15'	282
	20'	363
	25'	336
	30'	279

enclosures: photos, lab results, PID (field) screenings, boring log, chloride curve

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SITE SUPERVISOR Roy Rascon SIGNATURE not available COMPANY RICE OPERATING COMPANY

REPORT ASSEMBLED BY Katie Jones INITIAL KJ

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr. DATE 10-15-09

Vacuum Marathon McAlister EOL

Unit M, Section 25, T17S, R34E



excavation at the former junction box

5/28/2008



backfilling the excavation

5/28/2008



seeding the backfilled site

5/29/2008



soil boring the former junction box site

2/9/2009



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

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RICE OPERATING
HOBBS, NM

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ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: HACK CONDER
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (575) 397-1471

Receiving Date: 02/10/09
Reporting Date: 02/27/09**
Project Owner: NOT GIVEN
Project Name: VACUUM MARATHON McALISTER
Project Location: NOT GIVEN

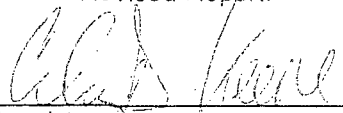
Sampling Date: 02/09/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ZL
Analyzed By: AB/HM

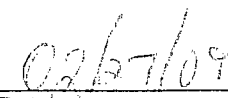
LAB NUMBER	SAMPLE ID	GRO	DRO	CI*
		(C ₆ -C ₁₀) (mg/kg)	(>C ₁₀ -C ₂₈) (mg/kg)	CI* (mg/kg)
ANALYSIS DATE		02/10/09	02/10/09	02/10/09
H16863-1	SB #1 @ 20'	<10.0	<10.0	352
H16863-2	SB #2 @ 30'	<10.0	31.5	272
Quality Control		549	562	500
True Value QC		500	500	500
% Recovery		110	112	100
Relative Percent Difference		3.0	7.1	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CIB

*Analyses performed on 1:4 w:v aqueous extracts.

**Revised Report.


Chemist


Date

H16863 TCL RICE

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Logger:	Tony Grieco	Client:	RICE Operating Company	Well ID: SB - 1
Driller:	Harrison & Cooper, Inc. Drilling	Project Name:	Vacuum Marathon McCallister	
Drilling Method:	Air rotary	Location:	Vacuum SWD System	
Start Date:	2-9-09	unit 'M' Sec.25 T17S, R34E Lea County, NM		
End Date:	2-9-09			
Comments: Located: at the center of the former junction box site TD = 30 ft GW = 97 ft				

Depth (feet)	chloride field tests	PID	Description	Lithology	Soil Bore Construction
15	282	0			
			15 - 30 ft		
20	363	0	VERY FINE TO FINE SAND		
Lab Cl-	352		dry		
DRO					
GRO	<10/<10				
25	336	0			
30	279	0			
Lab Cl-	272				
DRO					
GRO	31.5/<10				

RICE OPERATING COMPANY

122 West Taylor ~ Hobbs, NM 88240

PHONE: (575) 396-9174 FAX: (575) 397-4471

PID METER CALIBRATION & FIELD REPORT FORM

CK
MODEL
NO.

✓

MODEL: PGM 7300

SERIAL NO: 590-000183

MODEL: PGM 7300

SERIAL NO: 590-000504

MODEL: PGM 7600

SERIAL NO: 110-12383

MODEL: PGM 7600

SERIAL NO: 110-02920

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GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO:	EXPIRATION DATE: 9-11-09
FILL DATE:	METER READING ACCURACY: 100.0

ACCURACY: +/- 2%

SYSTEM	SITE	UNIT	SECTION	TOWNSHIP	RANGE
Vacuum	Marathon Wellbore	M	25	T17S	R34E

SAMPLE ID: SB #1

DEPTH	PID	DEPTH	PID	DEPTH	PID	DEPTH	PID
15'	0						
20'	0						
25'	0						
30'	0						

DEPTH	PID	DEPTH	PID	DEPTH	PID	DEPTH	PID

I verify that I have calibrated the above instrument in accordance to the manufacture's operation manual.

Signature [Signature] Date 2-9-09

SITE MAP

Lot # 1 Fill date are not available since the
gas was provided as part of the new fill
meter.



RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240
PHONE: (505) 393-9174 FAX: (505) 397-1471
PID METER CALIBRATION & FIELD REPORT FORM



MODEL NO: PGM 761S SERIAL #104412

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO : 04-2747	EXPIRATION DATE: 6-1-06
FILL DATE: 2-1-05	METER READING ACCURACY: 100.5

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
VAC	MARATHON McCALISTER EOL	M	25	17S	34E

SAMPLE ID	PID	SAMPLE ID	PID
1'		13'	0
2'			
3'	46		
4'	0.01		
5'	0.01		
6'	0.01		
7'	0.01		
8'	0.01		
9'	0.01		
10'	0.01		
11'	0.01		
12'	0.01		

I verify that I have calibrated the above instrument in accordance to the manufacture operation manual.

SIGNATURE:

Roy R. Ross

DATE: 9-8-05

RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240
PHONE: (505) 393-9174 FAX: (505) 397-1471
PID METER CALIBRATION & FIELD REPORT FORM

COPY

MODEL: PGM 7600 SERIAL # 110-013744

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO : 07-3353	EXPIRATION DATE: 5-16-09
FILL DATE: 11-16-07	METER READING ACCURACY: 100.0

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
VAC	MARATHON McCALISTER EOL	M	25	17S	35E

SAMPLE ID	PID	SAMPLE ID	PID
VERT @ SOURCE @ 13'	0		
14'	0		
15'	0		

I verify that I have calibrated the above instrument in accordance to the manufacture operation manual.

SIGNATURE:

Ray R. Pearson

DATE: 5-22-08

CHLORIDE CONCENTRATION CURVE

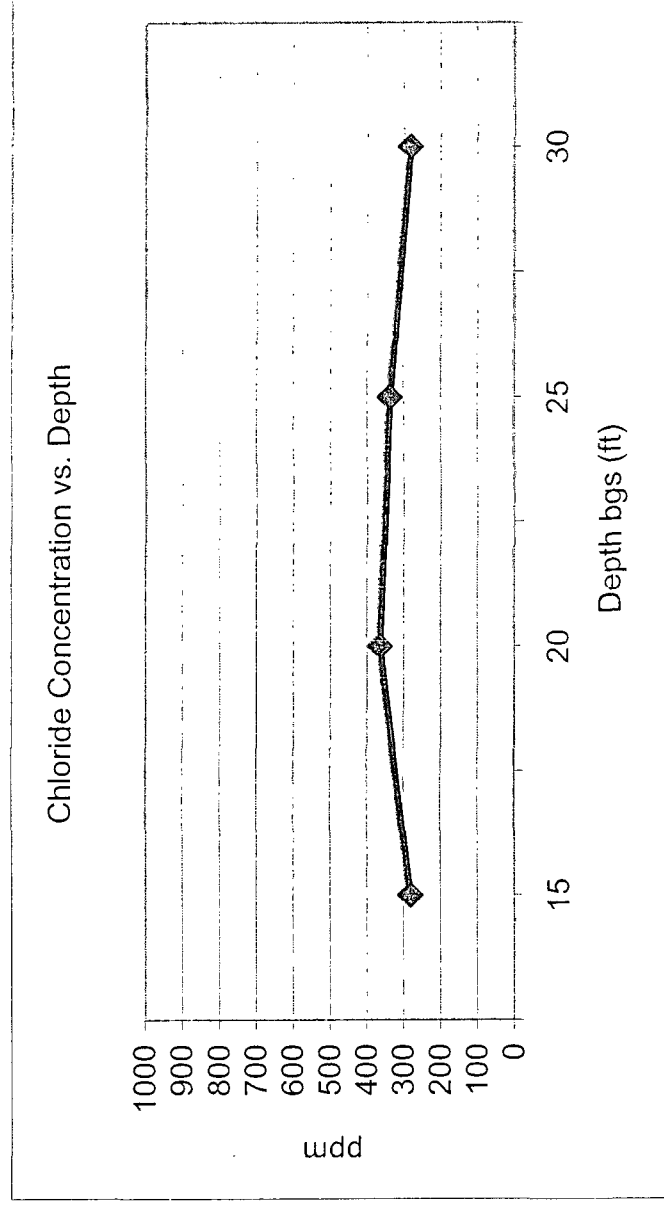
RICE Operating Company

Vacuum Marathon McAleister EOL

Unit 'M', Sec. 25, T17S, R34E

SOIL BORING samples at the junction (source)

Depth bgs (ft)	Cl ppm
15	282
20	363
25	336
30	279



Groundwater = 95 ft